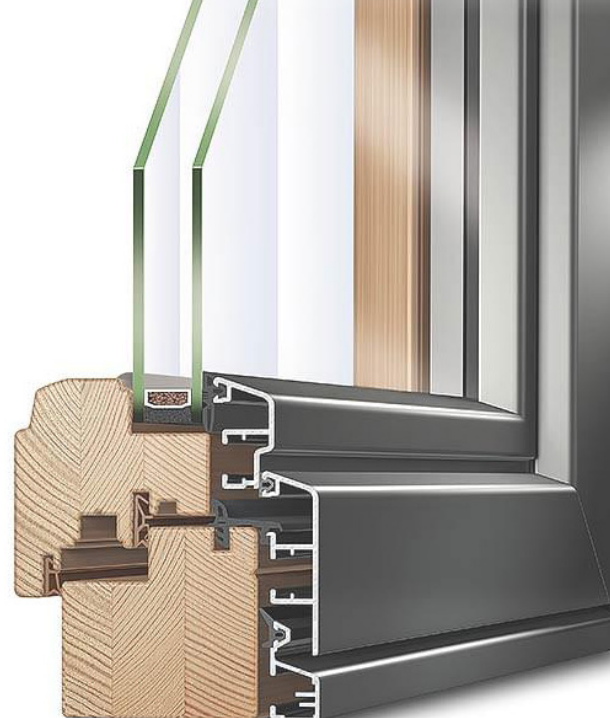


# Tilt & slide patio door IDEALU Trendline IV 68

U<sub>w</sub>-Value  
≥ 0.89



- Semi-offset design
- 68 mm construction depth
- Available with double and triple glazing

## Energy saving through new windows

U <sub>w</sub> value (old)	3.50 W/(m <sup>2</sup> K)
U <sub>w</sub> value (new)	0.89 W/(m <sup>2</sup> K)
Window area	30 m <sup>2</sup>
Annual fuel oil savings	1035 litres
Annual carbon dioxide reduction	2,795 kg

## Explanation

Heating degree days	4,050
Conversion factor kilogram into litres of heating oil	1.19
Conversion of calorific value Wh/kg	11,800
Heating efficiency	0.75

## SAFETY EQUIPMENT / FITTING

### BASIS:

- Fitting with 3 locking plates
- 3-dimensionally adjustable
- Malfunction lock
- Max. sash weight 130 kg

### OPTIONAL:

- Safety levels: RC1, RC2, according to EN 1627-1630
- High Control (magnetic contact for electronic monitoring)
- Integrated door lock, lockable from inside and outside
- Lock monitoring according to VDI

## WOOD COLOURS

- Interior: all wood colours listed in the shop as well as wood RAL colours
- Exterior: all colours of the wood-alu colour spectrum listed in the shop

Environmentally friendly water-based varnishes

## SOUND INSULATION

Tested to  
R<sub>w</sub>(C; C<sub>tr</sub>) = 45 (-1, -4) dB

## GLASS THICKNESS

From 24 mm to 42 mm

## SEALS

- Centre sealing system
- 3 sealing levels, optional 4 (seal in the frame shell)

## SYSTEM VALUES

- Air permeability: Class 3 (according to EN 12207)
- Driving rain-proof: Class 4A (according to EN 12208)
- Water tightness against driving rain:  
Class C3/B3 (according to EN 12210)

### Please note:

The classes given here are minimum classes. For higher requirements please consult us.

## THERMAL INSULATION

- Reference size 1230 x 1480 mm
- Minimum requirement according to GEG2020  $U_w = 1.3 \text{ W/(m}^2\text{K)}$

### Spruce

$U_w$  window (W/m<sup>2</sup>K)

$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.1	1.3	1.2
1.0	1.1	1.2	1.2
0.7	1.1	1.0	1.0 (0.95)
0.6	1.1	1.0 (0.97)	0.9 (0.89)

### Pine, Larch, Meranti

$U_w$  window (W/m<sup>2</sup>K)

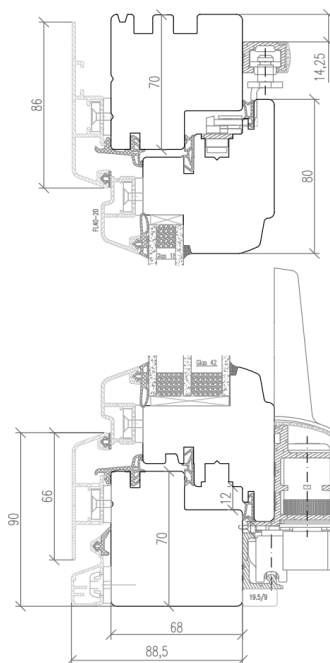
$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.2	1.3	1.3
1.0	1.2	1.3	1.2
0.7	1.2	1.1	1.0 (0.99)
0.6	1.2	1.0	0.9 (0.93)

### Oak, Eucalyptus

$U_w$  window (W/m<sup>2</sup>K)

$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.5	1.4	1.4
1.0	1.5	1.4	1.3
0.7	1.5	1.2	1.1
0.6	1.5	1.1	1.0

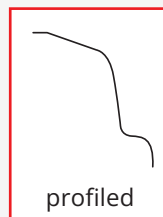
$U_w$  values > 1.0 W/(m<sup>2</sup>K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes



IDEALU TRENDLINE DETAIL VERTICAL SECTION

## POSSIBLE GLASS STRIPS:

STANDARD



OPTIONAL

